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**Biomarkers and subtypes of deranged lipid metabolism in non-alcoholic fatty liver disease**

Mato JM *et al.* Biomarkers and subtypes of NAFLD

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#### Abstract

Nonalcoholic fatty liver disease (NAFLD) is a heterogeneous and complex disease that is imprecisely diagnosed by liver biopsy. NAFLD covers a spectrum that ranges from simple steatosis, nonalcoholic steatohepatitis (NASH) with varying degrees of fibrosis, to cirrhosis, which is a major risk factor for hepatocellular carcinoma. Lifestyle and eating habit changes during the last century have made NAFLD the most common liver disease linked to obesity, type 2 diabetes mellitus and dyslipidemia, with a global prevalence of 25%. NAFLD arises when the uptake of fatty acids (FA) and triglycerides (TG) from circulation and de novo lipogenesis saturate the rate of FA  $\beta$ -oxidation and very-low density lipoprotein (VLDL)-TG export. Deranged lipid metabolism is also associated with NAFLD progression from steatosis to NASH, and therefore, alterations in liver and serum lipidomic signatures are good indicators of

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作者: MG Neuman - 2014 - 被引用次数: 68 - 相关文章

Approximately 30% to 40% of patients with nonalcoholic fatty liver disease (NAFLD) develop nonalcoholic steatohepatitis (NASH). ... Described by Adler and Schaffner (1) and Ludwig et al (2), NASH is a common manifestation of liver cell injury of various etiologies and of metabolic disorders of fatty acid metabolism.

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AIM: To review the biomarkers used to diagnose and define the severity of NAFLD and NASH. METHODS: A comprehensive PubMed and Google Scholar literature search was performed using the terms "non-alcoholic fatty liver disease", "non-alcoholic steatohepatitis", as well as the name of each biomarker known to be used.

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作者: A Lonardo - 2017 - 被引用次数: 45 - 相关文章

2017年9月28日 - Core tip: Nonalcoholic fatty liver disease (NAFLD) is a pandemic disease. .... LXRs serve as lipid sensors in the liver and participate in regulating the metabolism of ..... steatosis biomarkers, such as the NAFLD liver fat score, the Hepatic ... deranged liver tests/ultrasonographic findings compatible with fatty ...

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